

REMARKS

As a preliminary matter, the attachments referred to in the Notice have an "X" indicating that the CRF, paper copy of the sequence listing, and statement that both are same were missing. The attachments further state that the sequences disclosed on pages 105, 111, 112 and Figure 1A of the specification need to be in CRF and paper copy of the sequence listing, but are missing.

Applicants believe that the "X" was incorrectly placed and should have indicated that sequences were missing from the Sequence Listing. Applicants filed a Sequence Listing in CRF and paper copy along with a Transmittal of Sequence Listing. Public PAIR indicates that these were received by the Patent Office. U.S. Patent Application Publication No. 2004/0265321, the publication of the present application, published with a Sequence Listing. Accordingly, Applicants are providing a Substitute Sequence Listing with sequences disclosed on pages 105, 111, 112 and Figure 1A.

The specification has been amended to replace the originally filed Sequence Listing with the Substitute Sequence Listing submitted herewith. The Substitute Sequence Listing submitted herewith contains twelve new sequences corresponding to the sequences disclosed on pages 105, 111, 112 and Figure 1A.

The specification has been further amended to include the appropriate sequence identifiers for the sequences disclosed on pages 105, 111, 112 and Figure 1A. The sequence identifiers for the sequences disclosed in Figure 1A have been added to the specification as described in further detail below.

Support for the new sequences in the Substitute Sequence Listing is found, in the specification and Sequence Listing as originally filed, for example, on pages 105, 111, 112 and Figure 1A, and in SEQ ID NOs: 10-17. The sequences disclosed on page 105, lines 10-20 and 29-31 of the specification correspond to SEQ ID NOs: 10-17 of the originally filed Sequence Listing.

Certain of the sequences disclosed on page 111 and Table 3 of the specification have been amended to correct typographical errors. Support for this amendment can be found in the specification, for example, at page 111, lines 10-12.


The specification has been further amended to describe the sequences disclosed in Fig. 1A and to provide sequence identifiers. Support for this amendment is found, for example, in Fig. 1A.

Applicants believe that these amendments are fully supported by the specification of the present application and do not constitute new matter.

Applicants respectfully request that these amendments be entered into the specification and file history of this application.

Date: October 27, 2005

Respectfully submitted,


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